

# K·R·W NEWS



Published by K·R·Wilson in the Interests of Ford Dealers and Service Stations

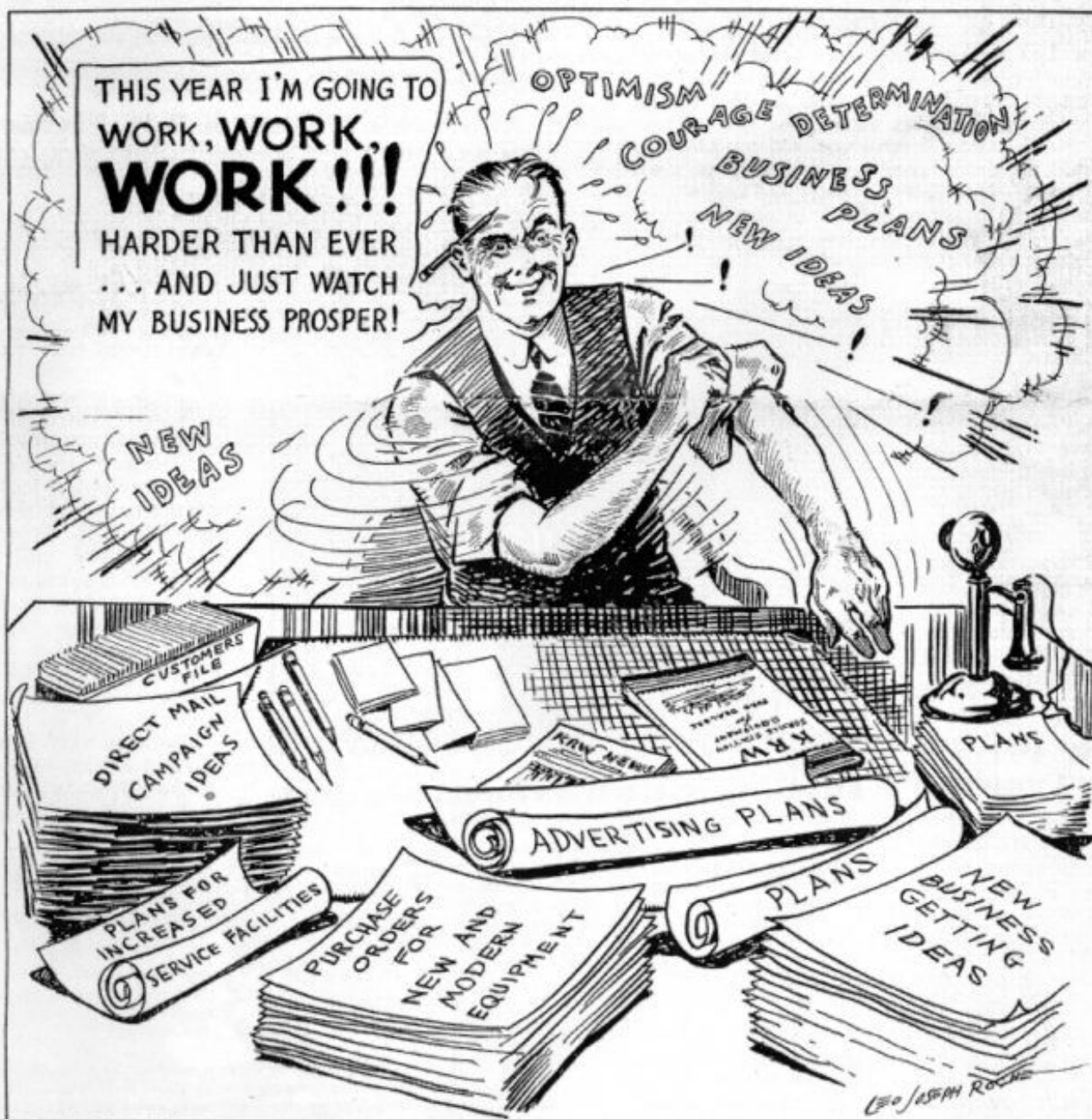


Vol. 1 No. 2

May 1932

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10-16 Lock Street, Buffalo, N. Y., U. S. A.

## THE SPIRIT OF 1932!



**IN THIS ISSUE: Have Your Old Valve Grinders Rebuilt . . . Pages 8 and 9**

# K R W NEWS

Devoted to the Interests of Ford  
Dealers and Service Stations

Published Monthly by

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K R W NEWS 10-16 Lock Street Buffalo, New York

Vol. 1 MAY, 1932 No. 2

## The Spirit of 1932!

In these days, more than ever, it is necessary to GO AFTER business. Until conditions get back to normal we must make the best of what is, overcome obstacles, quash discouragement and dig in with all the energy, judgment and courage we possess. We must formulate new plans and ideas to meet changed conditions in the business world. Modern methods and equipment are absolutely necessary to contend with greater and keener competition. Above all, we must have faith in ourselves and our business; the will to do and the determination to succeed. This . . . is the spirit of 1932.

The next issue of K R W NEWS will give in detail full information and instructions for the proper use of the New K R W Tools shown on page 13. Numerous photographs will show these tools in operation.

Another important feature of the next issue will be several pages showing the proper methods of refinishing cylinders, fitting and assembling pistons, rings, etc.

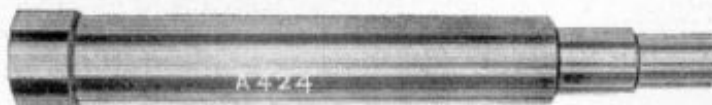
## K R W Prize Photo Contest

In the December issue of K R W NEWS we announced three prizes to be given each month for the best photos received of Ford Service stations throughout the country, together with a brief story concerning the shop, its equipment and anything of interest to other dealers regarding its business methods, or particular ways and means of making more profits. We received some response to this announcement, but would like to see a greater interest displayed in this feature. The prizes offered are well worth the effort and should appeal to every dealer or service manager. Therefore, we again say get out your Kodaks and send us some good snapshots of your place. Prizes \$20, \$10 and \$5.

## Price Reductions

We have reduced the price on Ford Service Uniforms (coat or unionsuit) to \$2.00 each. Sizes 46-50, 10% additional. The quality of these garments has not been changed. The same genuine Ford Hong-kong color, triple stitched and pre-shrunk. An excellent garment of the very finest quality. Every dealer can well afford to equip his mechanics with these K R W "Aristocrat" coats and unionsuits. They give your men and shop that "dressed up" appearance. It pays! Our large stock of these garments assures immediate delivery.

The K R W Hydraulic Lift—10½" size—is now priced at \$284. Delivered to any railroad station in U. S. A.



## Modernize Your K R W Fixture

This new Arbor will bring your K R W Connecting Rod Aligning Fixture up-to-date to handle all models—T-Tractor, A, B, and V-8. The price is only \$4.75, F.O.B. our factory.

The K R W Aligning Jig was designed for Ford Service exclusively. Many valuable features have been incorporated which are absolutely essential for quick, accurate work. See Page 20 K R W catalog for complete description.

## Bargain Prices

On Model T—Fordson,  
Lincoln, Tools and  
Equipment

As announced in the December issue of K R W NEWS we are closing out our entire stock of the above mentioned tools at a small fraction of their actual cost. All brand-new material. We still have some of this stock on hand. It is not too late to cash in on this great "Bargain Sale." Write for list of tools and our close-out prices.

There is real food for thought in the story of the Fischer Bros., of Newark, N. J., which begins on page 4. Don't pass it up!

## Keys for the New Fords

NEW code plates for the K R W Key Cutter are available to handle keys for the New Fords.

Price per set of two, \$3.00. Postpaid. No. A388BV

THE K R W Catalog is more than a catalog. It contains valuable information and instructions on how to use K R W Tools and Equipment to get the very best results—and make more money. It was compiled and written for Ford dealers and service stations. Don't allow it to remain hidden away in your desk—out of sight and forgotten. See that your mechanics have access to it. It will show them how to use these special tools and do the jobs RIGHT. This means satisfied customers as well as increased business and profits for YOU.

## FREE! THIS K R W LUBRICATION SIGN

(Size 30" x 40" Prestwood. Most Attractive and Well Made)

Dealers! Here is your opportunity to obtain one of these K R W Lubrication Signs without cost.

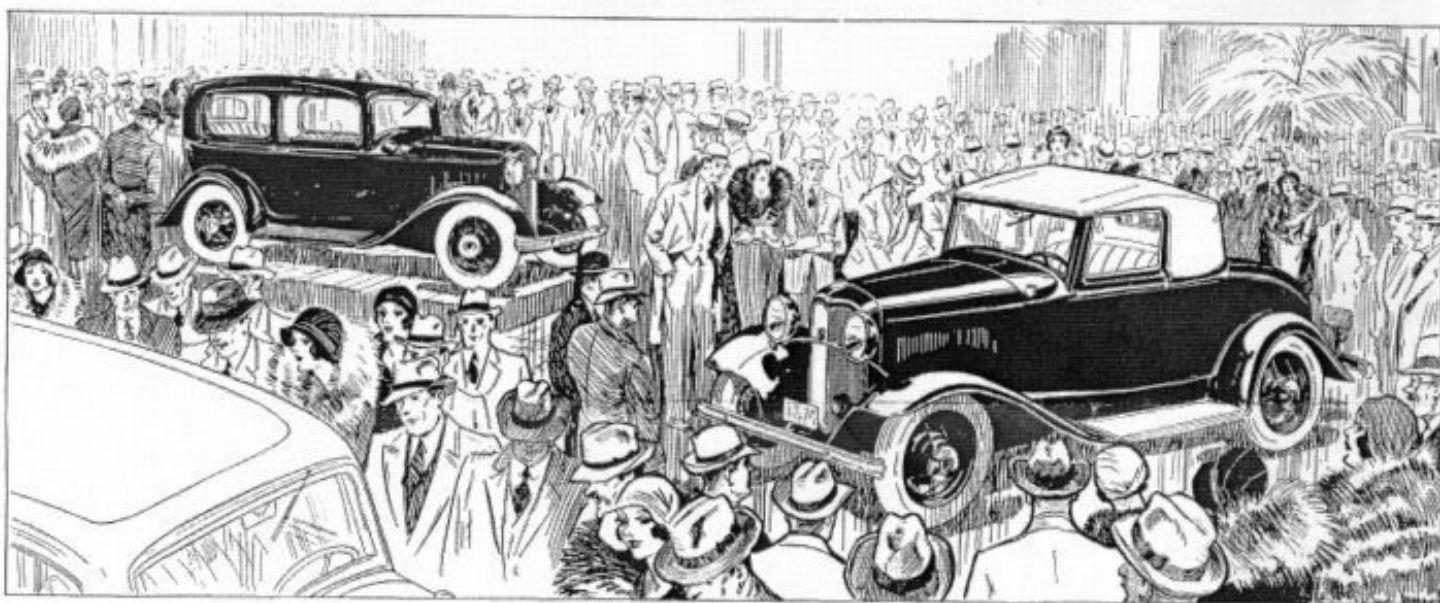
With every order for tools or equipment amounting to \$100 or more—and only on the first 500 such orders—received during the next 30 days, we will give one of these signs complete as shown.

Remember the offer is limited to 30 days and 500 signs. If you wish one act quick! First come, first served!





THEY CAME —



THEY SAW —



— AND THEY'RE CONVINCED THAT THE NEW FORD IS BY FAR THE BEST LOW PRICED CAR MADE

## \$53,000.00 FOR NEW REPAIR SHOP AND EQUIPMENT

### *Climaxes 20 Years of Successful Servicing*



WHEN Fischer's Auto Sales Co., of Newark, N. J. found their business dropping off they did not grow panicky and fold up their tents. On the contrary they had the necessary confidence and good business judgment to stage a "come back" which finds their business today . . . Bigger and Better than ever.

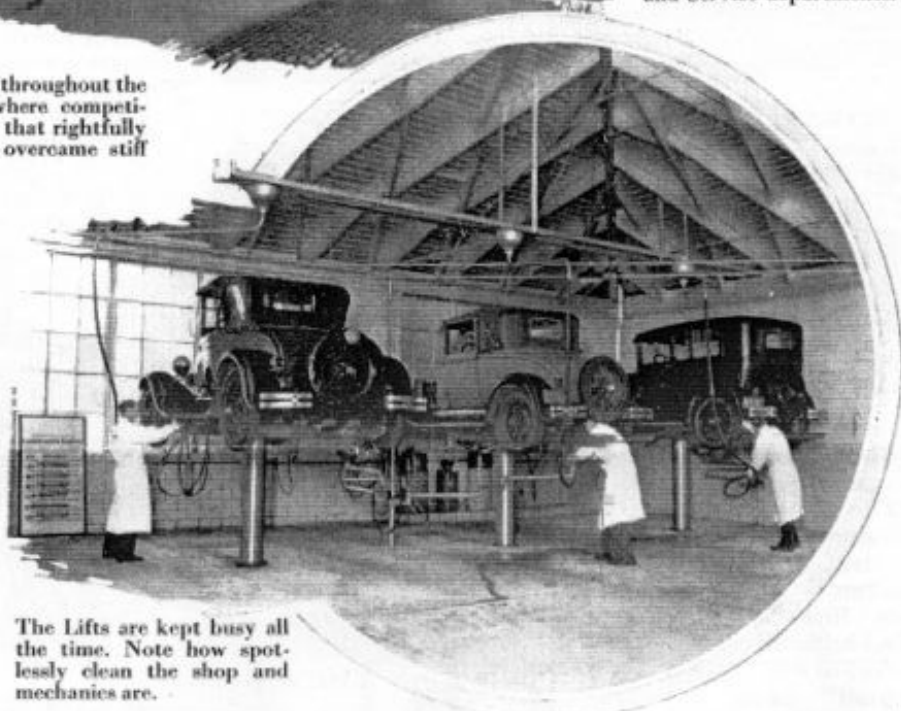
Exterior front view of the building which gives some idea of the size and excellent arrangement of the Sales and Service departments.

HERE is an inspiring example for every Ford Dealer throughout the country whose business is not what it should be, or where competitors are taking away from his shop the service business that rightfully belongs in it. The Fischer Brothers tell how they overcame stiff competition and, in the face of business depression, expanded their service facilities and are now reaping the fruits of their efforts . . . More Business than ever, and Bigger Profits. Read their story of how they did it.

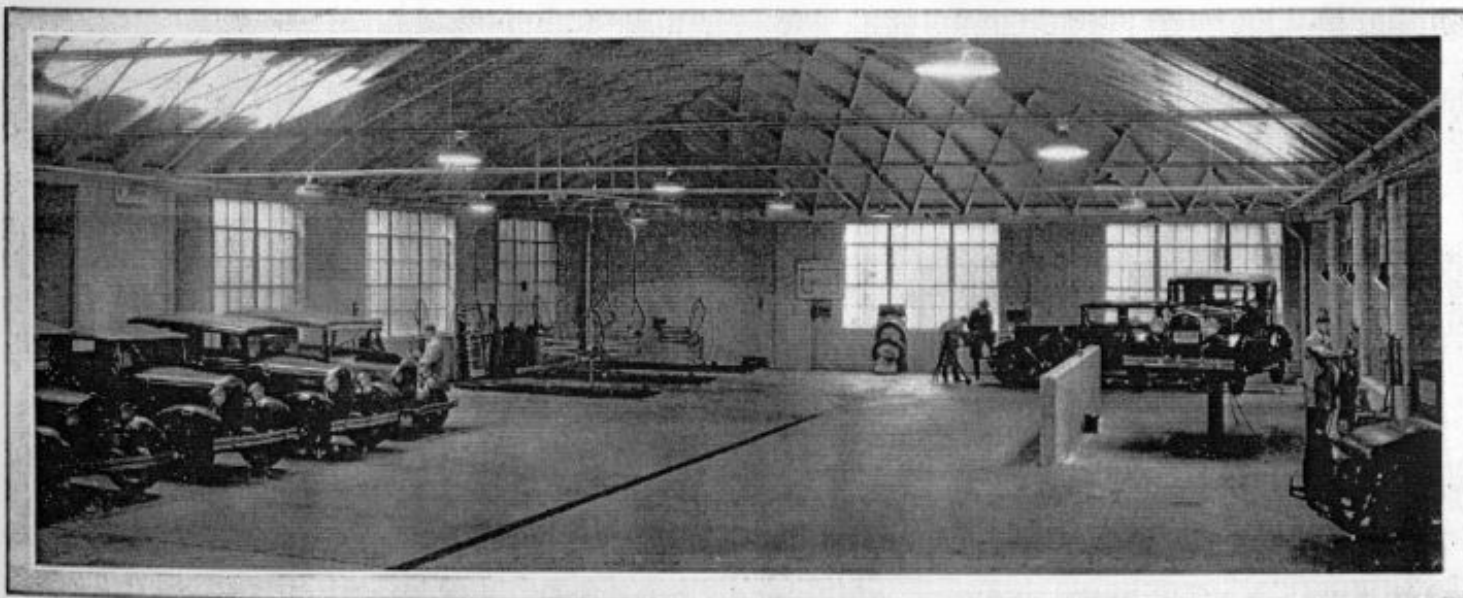
THE Fischer Auto Sales Co. was appointed as Authorized Ford Dealers in 1916. We have been at the same location since 1911, previously operating as a general repair shop.

Our Service Department has always been profitable but about a year ago, we began to feel the dropping off of customers and our shop work decreased. For twenty years we had made our service the outstanding feature of our business so, with the dropping off of business we became alarmed.

*(Continued on page 5)*



The Lifts are kept busy all the time. Note how spotlessly clean the shop and mechanics are.



The unique construction of the roof eliminates the usual posts with their wasted floor space





The K. R. Wilson West Coast Branch, where a large stock is maintained for quick shipment to dealers operating under Los Angeles, San Francisco, Portland and Seattle Ford Branches. Car-lot shipments are made direct from our factory to New York City then via boat to Los Angeles. West Coast prices are only slightly higher.

#### **\$53,000 for New Repair Shop and Equipment** (Continued from page 4)

The gasoline stations clustered all about us were taking more and more of our lubrication business, which not only reduced our revenue in this division of our business, but lowered our number of contacts with the customer, which unquestionably was causing a decrease in repair work. The 95c laundries, brake specialty shops and so-called ignition experts were also cutting down our volume.

We decided that something must be done and after analyzing closely the present day problem of making service profitable, we decided to completely reverse our system.

Our old system provided a large floor space for repair work while our service floor space and entrance was always congested due to the ever-increasing volume of small service jobs. Realizing that we could not get quick service jobs done in time to satisfy the customer, we naturally did not attempt to sell such jobs as lubrication, car washing, motor tune-ups, adjustment of steering gear, and many small jobs. Our lubrication lift was outdoors and some of our equipment out of date. No wonder we were losing business.

We have always been able to feel the pulse of the public and still have confidence in ourselves to be able to keep in step with necessary changes. So to that end we have increased our service floor space by erecting a new building and sparing no expense on the installation of MODERN EQUIPMENT. Proper equipment is the backbone of a successful service station.

The new addition now gives us a service floor space of 11,559 square feet. The repair shop, where major repairs are performed is located in the old building having a floor space of 14,953 square feet.

The new service station was opened October 1st, 1931, and we mailed out to all Ford Owners in our logical trade area, an announcement of the opening. 1793 jobs passed through our place of business during the month of October. 1536 of this number were jobs performed in the new station while 257 jobs were routed to the major repair shop. One can readily see by this comparison of figures that the service facilities must be increased and made efficient so as to handle the increase in the different class of service work that we have not been accustomed to in the past.

Our car washing facilities have helped materially, as in October there were 72 wash jobs, November 77 and December showed 137. The wash rack is equipped with a hydraulic lift and we are now installing a large plate glass on top of the baffle wall so as to allow our customers to view the work. We have found that customers are very interested in viewing the activity of our service department particularly at lubrication lifts, wash rack and wheel aligner. Regardless of comments made by some dealers in the past as well as by ourselves, that it is not well to have customers viewing the work being done on their cars we believe that such an idea is now antiquated. If a service station presents the right picture it certainly acts as a silent salesman and we know this only too well through the comments from our customers.

The cost of the addition along with new equipment, was \$53,000.00 but we are not in the least worried but that the expenditure will be profitable.

We have had very little turnover in our help and attribute this to working closely with our men, continuously educating

(Continued on page 7)

# A NEW AND IMPROVED MODEL KRW PISTON HEATER

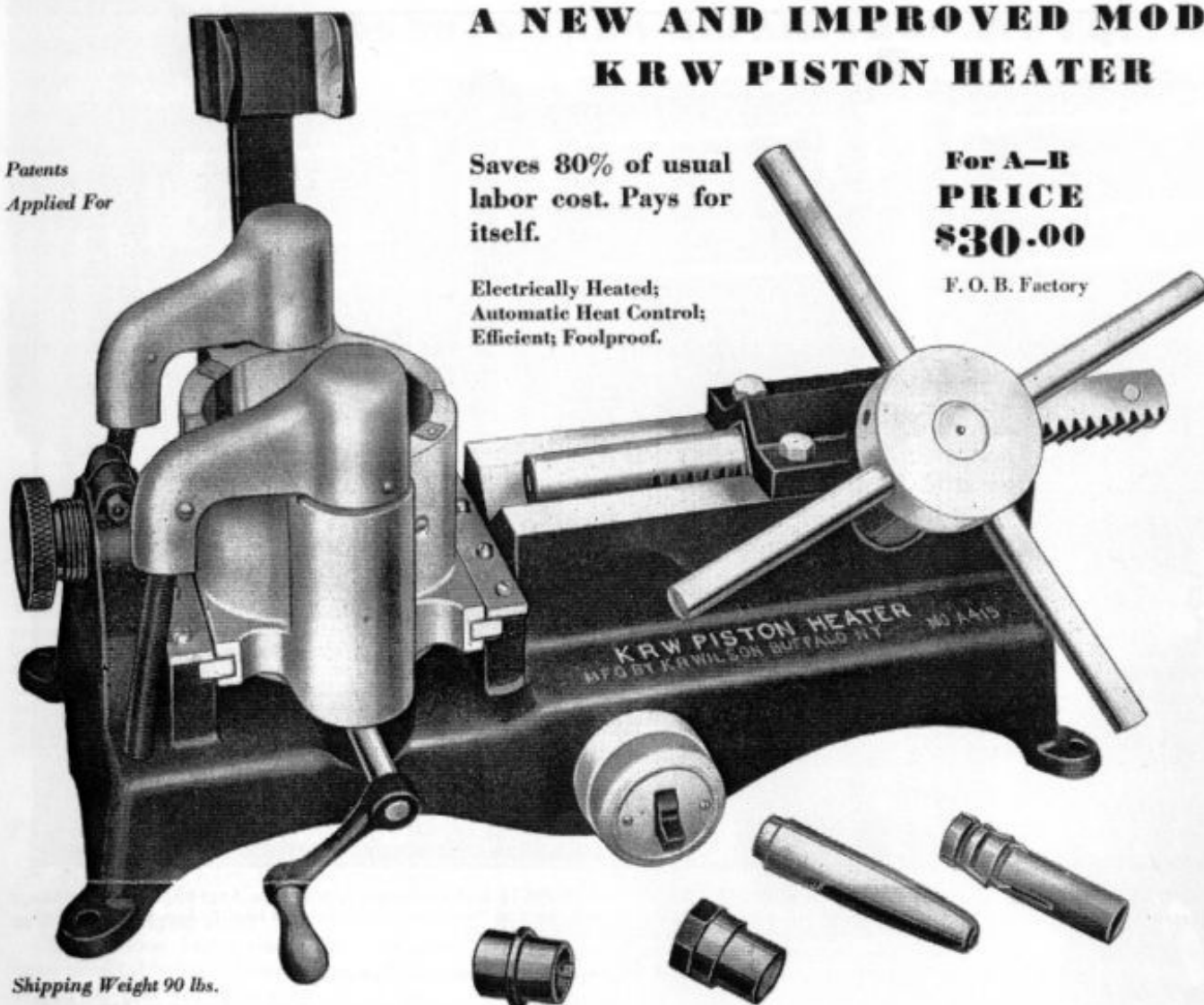
Patents  
Applied For

Saves 80% of usual  
labor cost. Pays for  
itself.

Electrically Heated;  
Automatic Heat Control;  
Efficient; Foolproof.

For A-B  
**PRICE**  
**\$30.00**

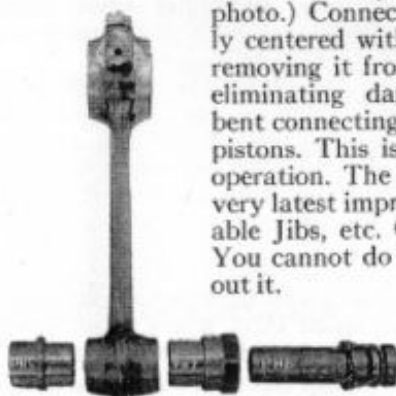
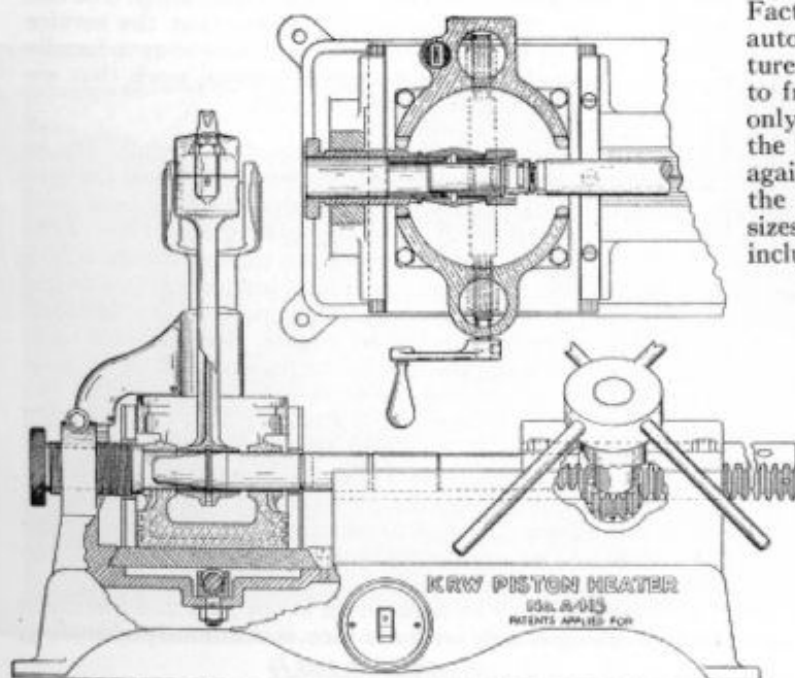
F. O. B. Factory



Shipping Weight 90 lbs.

A rack (which does not show in picture) is provided at back of base of machine to hold accompanying tools and attachments.

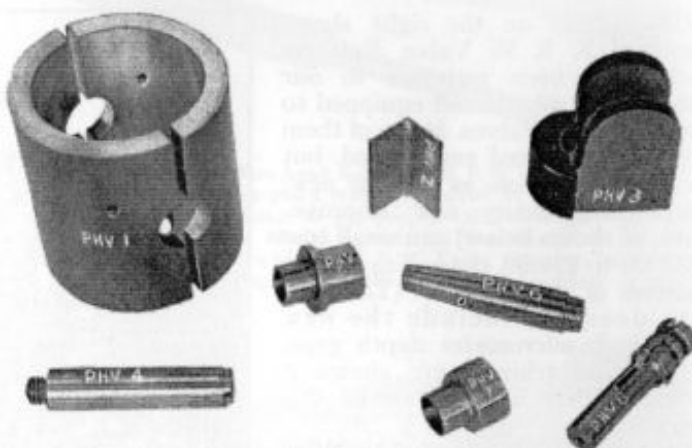
**T**HE New K R W Combined Electric Piston Heater and pin inserting machine is one of our greatest contributions to Ford Service. It is similar to those used in the Ford Factory, with the addition of the electric heaters. An automatic heat control switch maintains correct temperature. One minute is required to heat the piston sufficiently to freely insert the pin without distorting the piston, and only a slight pressure is required to push the pilot through the locking ring in the connecting rod. An adjustable stop against the outside end of the piston boss prevents distorting the piston out of round. The pistons, including all over-sizes, are held "squarely" at 4 points. Attachments are included for installing locking rings without damage to the bronze bearing (see plan view, also photo.) Connecting rod is perfectly centered with the piston before removing it from the fixture, thus eliminating danger of offset, or bent connecting rods and "cocked" pistons. This is a most important operation. The drawing shows the very latest improvements—Adjustable Jibs, etc. Order yours today. You cannot do a perfect job without it.



Specify for  
110 or 220  
volts

## Certainly! Attachments for the New "V-8" — and you will need them for this precision-built Motor!

ATTACHMENTS AS  
SHOWN \$10.00 SET



### K R W Motor Stand Adapter for the Ford V-8

**T**HIS new attachment quickly adapts the K R W "All Position" Motor Stand to handle the New Ford V-8 motor. It is made entirely of steel, electric welded joints.

The conversion can be made in forty seconds. If you are not already using a K R W Motor Stand now is the time to make a change and save more than 50% of your labor costs on motor work. It costs but \$22.00 F.O.B. our factory. Handles Models A-B-T and, with the attachment shown, the V-8. Other attachments can be supplied to handle transmission assemblies only. (See page 13, December issue of K R W News).



**No. V-40  
PRICE  
\$4.75**

F.O.B. Factory Arcade, N. Y.  
Shipping Weight 27 lbs.

(Concluded from page 5)

them and paying them on a straight salary basis. The only thing necessary to operate on this plan is to know the job yourself thereby knowing the capacity of a man. Time studies are necessary in this connection. The youngest man in our employ has now been with us three years.

Next to turning out the best possible workmanship, we believe in direct mail advertising through a well controlled system.

### WAIT! WAIT! WAIT!

until you get K R W plans and prices before  
you order equipment to rebuild your  
present parts bins system

**I**F you have a Lyon—Lupton or K R W-Equipto Steel bin system which has become obsolete you can bring it up-to-date by rebuilding it with K R W-Equipto Parts, to handle a combined stock of Models A-AA-B-BB- and V-8.

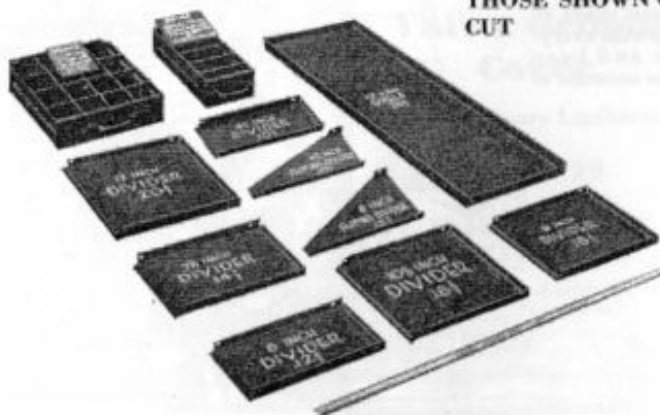
It's easy, no experience necessary. We furnish plainly marked drawings enabling any ordinary workman to quickly and easily make the necessary changes.

Just tell us how much stock you want to carry, for each model, the make and number of sections you have, total number of 4½-6-7½-9-10½- and 12-inch dividers. Also drawers giving accurate sizes. On receipt of this information we will then quote you K R W "Thrift prices" on the small amount of extra material required.

K R W-Equipto dividers are made from 20 Gauge Steel (several gauges heavier than any competitors). All fronts are finished. No raw edges to cut or injure workman's hands when reaching for parts.

Insist on K R W quality if you want the best, for the least money.

**OUR NEW PRICES  
ARE LOWER THAN  
THOSE SHOWN ON  
CUT**



The above cut shows the K R W-Equipto steel bin dividers, drawers and shelves to rebuild Lyon, Lupton and K R W-Equipto systems. Specify for which.



# HAVE YOUR OLD VALVE GRINDER REBUILT

like new by K R W factory experts and outfitted with the latest improvements to service Models A-B and V-8 Motors

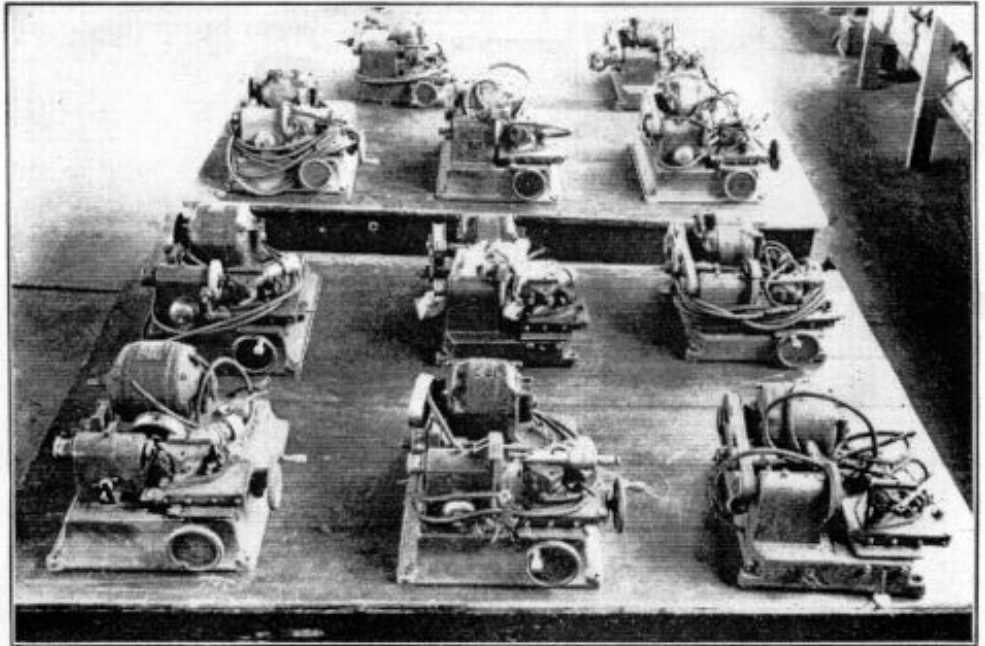
THE picture on the right shows several K R W Valve Refacers which have been returned to our factory to be rebuilt and equipped to handle the New Valves. Many of them have been neglected and abused, but we can rebuild them as good as new, incorporating many new improvements, as shown below, at a small cost of \$12.00 to \$20.00, depending on the condition of the machine. (This estimate does not include the new work head, micrometer depth gage, butting off attachment, etc., shown at the lower right hand corner of this page.)

Every machine is completely pulled down and thoroughly cleaned—even the old paint is removed—then accurately rebuilt by experts. All worn parts are replaced.

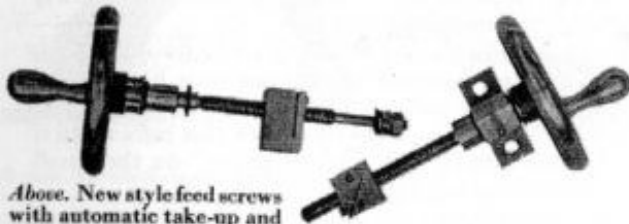
Machines should be carefully boxed and shipped transportation prepaid direct to our factory—K. R. WILSON, Arcade, N. Y. Include all attachments so they may be inspected and put in good condition.

Write for Trade-In Allowance on old hand lever machines.

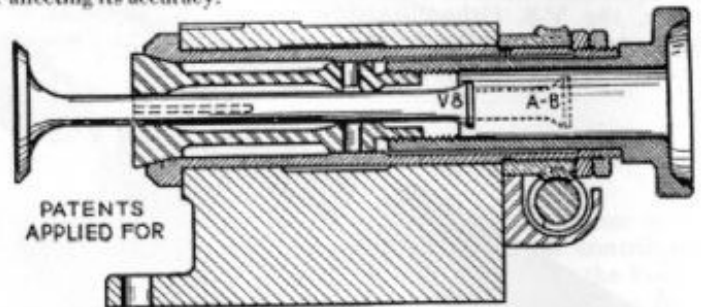
You will require all items shown on next page to properly service A-B and V-8. Check this equipment with what you have, then order the items you need.



THIS new K R W Valve Grinder head has been designed to handle the V-8 short stem valves as well as Model T—Tractor—A and B. (other size collets can be supplied). The 'NTH' degree of accuracy is obtained by use of the two-piece, draw-in collet of our own exclusive design, which grips the valve in two places, insuring perfect alignment. This chuck is of sturdy design and will stand all sorts of abuse without damage or affecting its accuracy.

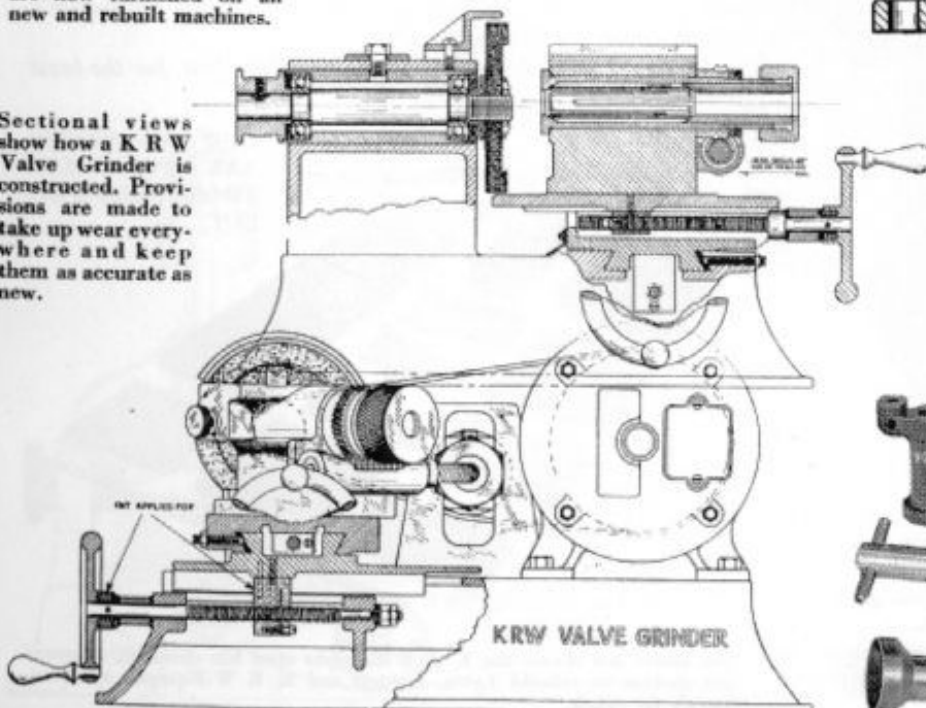


Above. New style feed screws with automatic take-up and adjustable feed screw nuts are now furnished on all new and rebuilt machines.

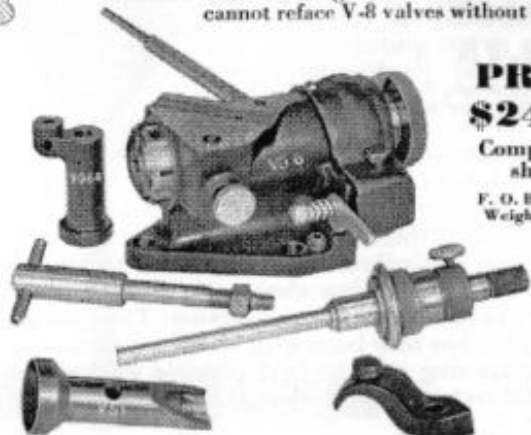


The K R W Valve Grinder now sells for \$72.00 equipped with the New Improved head and tools shown below.

Sectional views show how a K R W Valve Grinder is constructed. Provisions are made to take up wear everywhere and keep them as accurate as new.



THE New Valve Grinder head to modernize your present K R W Machine is shipped complete with worm gears, flexible shaft, new style diamond holder, micrometer depth gage and butting off attachment as shown. BE SURE to give serial number of your machine when ordering. ORDER IT NOW! You cannot reface V-8 valves without it!



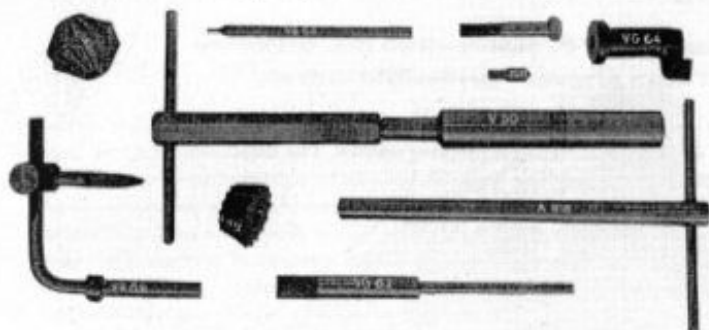
**PRICE**  
**\$24.50**

Complete as shown

F. O. B. Factory  
Weight 12 lbs.



## Other Equipment Necessary to Service A-B and V-8 Valves



THIS group shows the equipment needed to properly reseat valves in A-B and V-8 motors. Also attachments for your K R W Valve Grinder so that your mechanics can resharpen valve seat cutters, to exactly match the angle at which the valves are refaced, on the same machine. This greatly reduces the time required for "grinding-in" the valves and insures a perfect fit. Check over this list. You may have some of these tools but you need all of them. Remember the best mechanic in the world cannot turn out a good job with dull cutters and improper equipment. Your profits depend on turning out a perfect job at the least labor cost. Ford and K R W engineers are constantly perfecting equipment to do the jobs better and quicker.

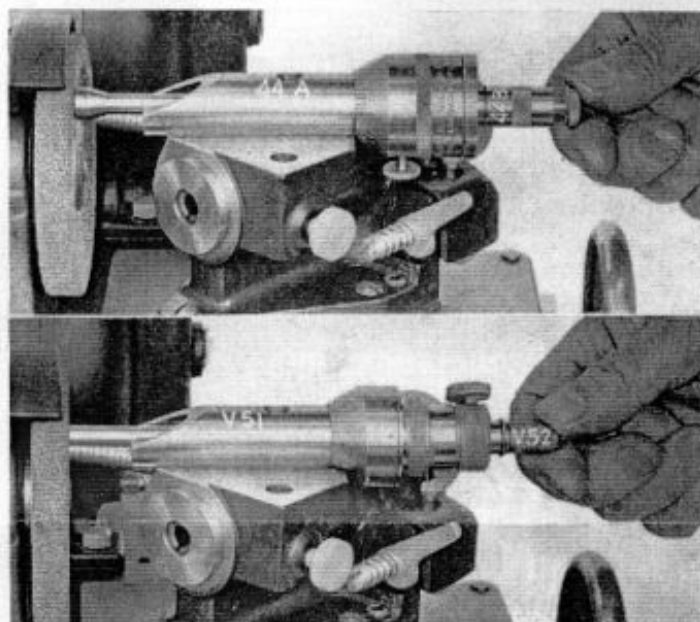
V 50	Valve Seat pilot for V-8.....	\$3.50
A 316	Valve Seat pilot for A and B.....	1.50
A 317	45 degree valve seat cutter.....	3.00
A 317B	75 degree valve port cutter.....	2.00
VG 32	Diamond wheel dresser.....	2.50
VG 62	Cutter grinding arbor.....	1.00
VG 63	Index finger gauge.....	.25
VG 64	New style diamond holder.....	.50
VG 69	Indexing fixture complete.....	1.00
VG 70	4" x 1/2" Cup-grinding wheel (for new valve).....	1.00



THIS new type micrometer depth gage and butting-off attachment is necessary for the new short stem V-8 valve and is included as a part of the group shown on opposite page. These tools save two thirds of the time usually required to properly space valves and insure getting a perfectly square valve seat, with exactly the right clearance every time. They are very accurately made and easily operated. New K R W Valve Grinders are shipped complete with V 51 and V 52 attachments. You will also require 44A and 44B attachments for A and B valves.

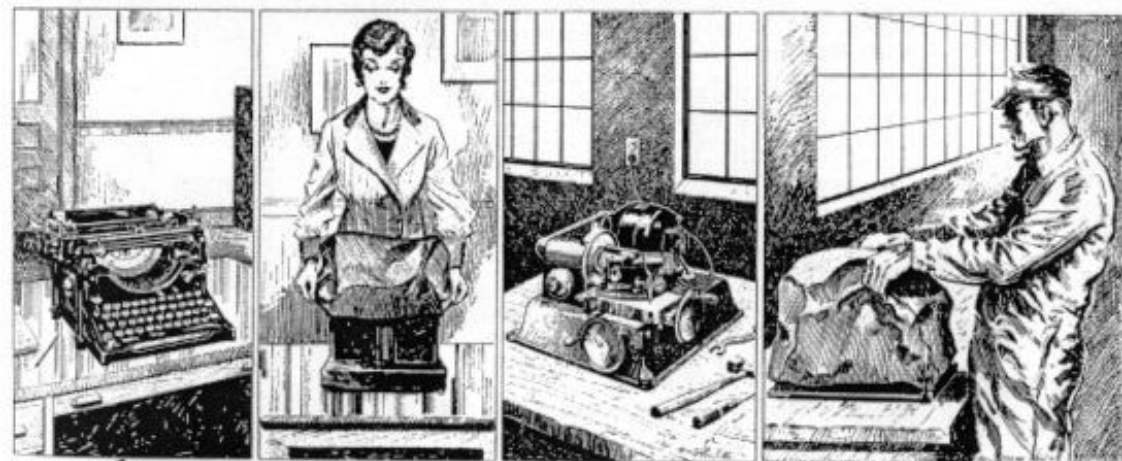


THOUSANDS of Ford Dealers have found the K R W valve micrometer attachment indispensable and a real labor saver. It eliminates guess work and enables the mechanic to get proper valve clearance the first time. This set handles the Model A and the New Model B Valves. It is designed for use only with the K R W Valve Grinder, as shown below. Price, \$7.50. (See Page 27 K R W catalog for complete description.)



THE picture above shows two different types of micrometer depth gages and valve butting-off attachments. The first view shows the original outfit which handles A and B mushroom type valves—and with a special depth gage will also handle model T and Tractor. The lower picture shows the new type fixtures required for the V-8 valve which is one inch shorter.

To service models A—B and V-8 you must have both sets. A new style clamping device is now supplied with the work head to permit quickly changing the butting-off attachments. These tools will save you 30 to 50 precious minutes on every valve job and enable mechanics to turn out uniformly high grade work.



1 THE TYPEWRITER IS A PRECISION MACHINE REQUIRING GREAT SPEED AND ACCURACY

2 IT IS KEPT COVERED WHEN NOT IN USE TO PROTECT ITS MECHANISMS AND DELICATE PARTS FROM DIRT AND DUST THUS KEEPING IT IN GOOD WORKING ORDER

3 A VALVE GRINDER IS LIKEWISE A PRECISION MACHINE SO DESIGNED AND CONSTRUCTED AS TO PREPARE ITS WORK WITH ABSOLUTE ACCURACY

4 WHY NOT KEEP IT COVERED WHEN NOT IN ACTUAL USE? PROLONG ITS LIFE AND ITS PRECISION BY TAKING PROPER CARE OF IT IF POSSIBLE

## K R W Valve Grinder Cover

Made of heavy Leatherette

No. VG 70

Price \$1.00

SHOW your mechanics this cartoon. It will impress upon them the importance of protecting your precision equipment. The picture shown at the top of the opposite page is mute evidence of the abuse these machines get at the hands of careless mechanics.

# KRW Improved High Pressure CAR WASHER

**No. 103**

**PRICE**

**\$175.00**

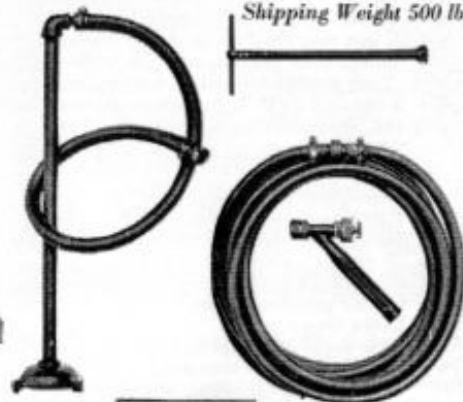
Prices F. O. B.  
Factory  
Arcade, N. Y.



**7 1/4 gallons per minute—2 H. P. Motor—300 lbs. pressure**  
**—displacement type pistons—accessible valves.**

NO expense has been spared to make this the finest Car Washer on the market. It is built for life-long service. The displacement pump uses a special packing which does not have to be tightened as in other types. Plungers are hardened, ground and chrome plated to prevent wear or becoming scored by gritty water. The valves allow a free passage of water with very low velocity and a minimum amount of friction. The valve cages permit a reasonable amount of foreign substance, such as soap, pieces of hose, etc., to pass without interfering with the operation of the valves. The cylinders, valves, valve cages, automatic by-pass and all fittings are of special bronze composition to resist corrosion. Timken and Hyatt bearings throughout. All working parts operate in a bath of oil. New by-pass is simple in design and very accessible.

Shipping Weight 500 lbs.



Each Car Washer comes equipped with nozzle, hose, suction pipe and wrench.

Two guns can be used if desired. Extra gun with hose, \$15.00.

The 2 H. P. Motor will operate from power line. Price quoted is for 60 cycle, three phase, 110 or 220 volts. Single phase \$12.00 extra. Write for prices on other cycles and voltages.

## No. 102 CAR WASHER

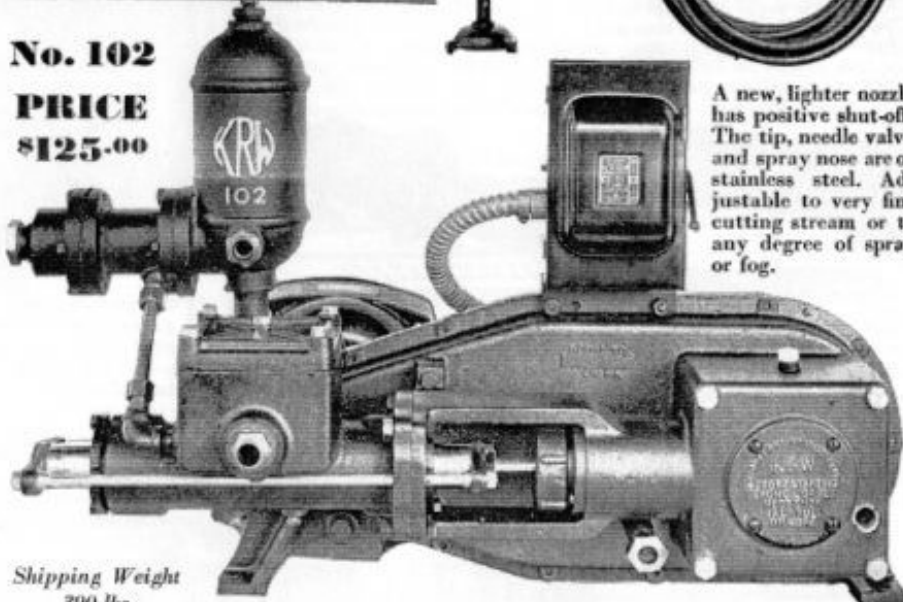
THIS Car Washer is almost identical with our No. 103 except in size and capacity. The same high grade materials are used and it is likewise built for life-long service. The size of the piston is 1 and 3/8" as compared with 2" in the larger machine and it is operated by a 1 H. P. motor. Its capacity is 4 1/2 gallons per minute at 300 lbs. pressure.

Dealers who already have this model No. 102 can increase its present capacity one third by replacing the old cylinder assembly with the new assembly pictured at the bottom of this page.

**No. 102**

**PRICE**

**\$125.00**

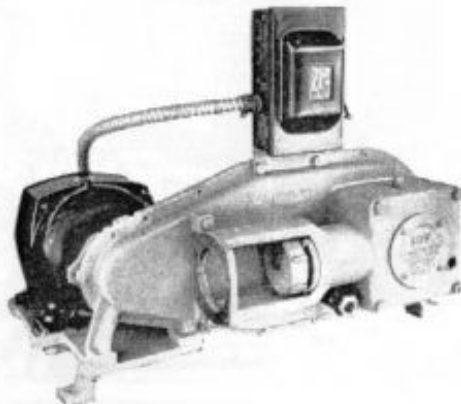


A new, lighter nozzle has positive shut-off. The tip, needle valve and spray nose are of stainless steel. Adjustable to very fine cutting stream or to any degree of spray or fog.

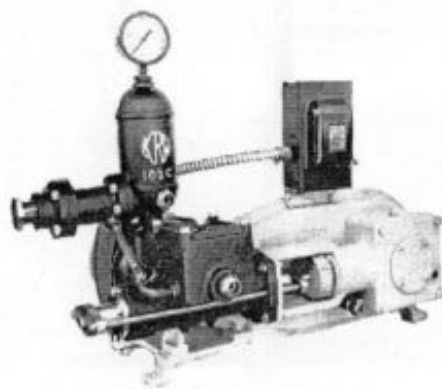
Shipping Weight  
390 lbs.



\$35.00 buys this complete assembly, ready to install on your present machine. Shipping Weight 125 lbs.



Remove the old cylinder assembly and install the new one. A 15-minute operation.



Your old machine brought up-to-date. Capacity increased one-third.



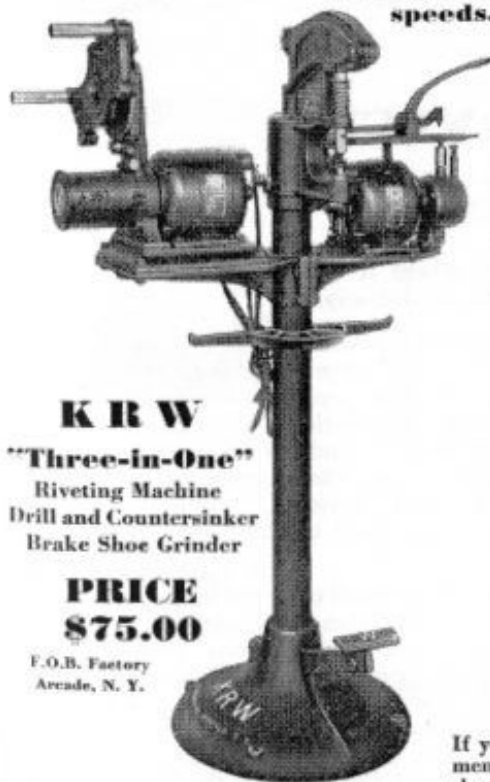


60, 70, 80

*Miles per Hour!*

## EXPRESS TRAIN SPEEDS WITH SAFETY

Brakes must be made perfect to insure safe driving at high speeds. K R W Tools duplicate factory standards and enable ordinary workmen to turn out perfect jobs



**K R W**

**"Three-in-One"**  
Riveting Machine  
Drill and Countersinker  
Brake Shoe Grinder

**PRICE**  
**\$75.00**

F.O.B. Factory  
Arcade, N. Y.

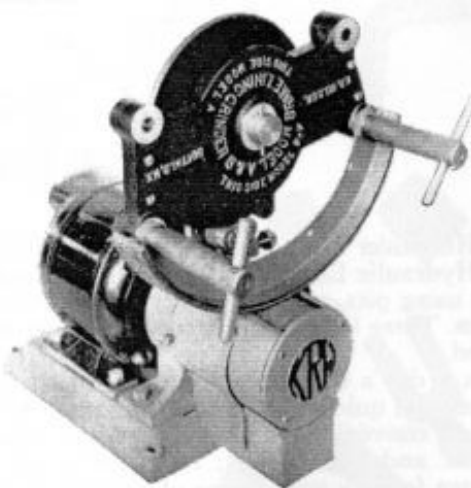
THE K R W "Three-In-One" Brake Machine is exactly what you need to turn out "perfect" brakes. The riveter is strong and powerful. It includes punches and rivet splitters to handle all Ford car and truck brake shoes and also clutch facings. Motor-driven drill and countersinker has many exclusive features, such as cut steel bevel gears in oil, ball thrust bearing, rivet hole locator, and brake lining clamps. The Brake Shoe Grinder is superior to all others because the brake shoes are fastened to the machine exactly as they are attached to the axle. Master cams operating on hardened rollers guide the shoe absolutely round and true, regardless of the thickness or unevenness of the lining. All other makes of machines depend on the brake lining itself to roll on rollers across the face of the grinding wheel while holding the brake shoe in position by hand. As usual, K R W design and quality are outstanding. Motors are 60 cycle "Reactor" type suitable for use on lighting circuits. State whether for 110 or 220 volt.

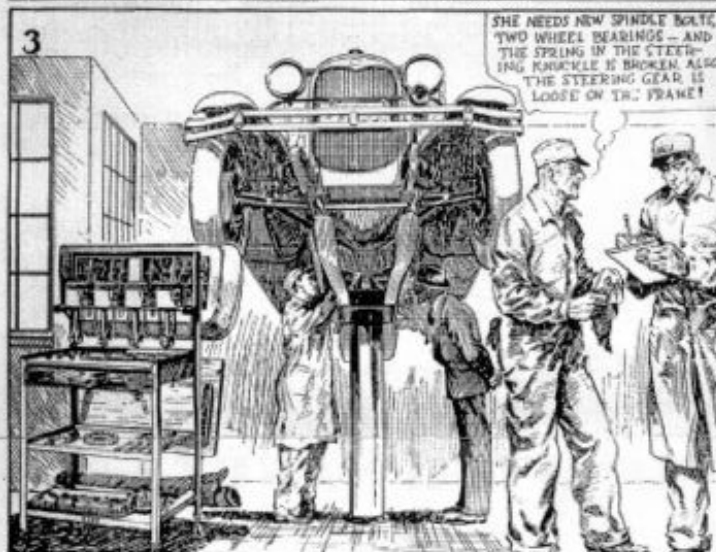
**Attachment for Model B and V-B**

**No. BV-383**

**Price \$3.75**

If you already own a K R W Brake Shoe Grinder, this attachment will bring it up-to-date to handle the new eleven inch brake shoes used on the new cars.





## SELL ADDITIONAL SERVICE

### *While the car is on the Lift*

**T**HE dealer whose shop is equipped with Free Wheel Type Hydraulic Lifts has a decided advantage over competitors using pits, ramps or other kinds of drive-on lubrication racks. These lifts soon pay for themselves in time and labor saved.

In a day's work there are many jobs that can be done better and quicker on a lift of this kind. A car can be raised to any convenient height to change wheels or tires; relined, adjust and test brakes; repair or check steering gears; change fenders and dozens of other jobs, too numerous to mention. Remember your mechanics are not contortionists and cannot work well in cramped, uncomfortable and unhandy positions, or on their backs on a creeper. With a lift they take a greater interest and pleasure in the work at hand. Also cars can be better inspected. Such safety inspection becomes almost automatic with each wash or lubrication job. This can be done easily and quickly for all four wheels are free. These inspections often disclose loose wheels, worn spindle bolts, loose steering gears, bad brakes and many other things which, if neglected, may cause accidents. Customers always appreciate this Preventive Service

and patronize the shops where it is available. The four drawings above tell the story concisely.

Mr. Dealer, no other \$200.00 investment will bring you such profitable returns. You will save more than 50% on time and labor. With flat rate charges your profits depend on how well and how quick the jobs are done. Your customers want fast service and they expect—and justly so—the very best job obtainable. What's more, the average car owner will go out of his way to get such service. Do the job better than your competitors and you'll get the business . . . and profits!

Hundreds of letters from dealers all over the world tell us of their appreciation of our suggestions and help. They tell us how they have, because of these suggestions, recovered the business they had lost to competitors. How they have increased the number of jobs in their shops and doubled their profits. If your shop is not equipped with one or more of these Free Wheel Hydraulic Lifts it's time you gave the matter serious attention. (Read the story of the Fischer's Auto Sales Co., beginning on page four of this issue).





# KRW-QUINCY HIGH PRESSURE

5 H. P.—Two Stage—200 lb. W. P.

## AIR COMPRESSOR

*"Especially suited for Hydraulic Lift Service"*

Capacity 20 cubic ft. Air per Minute

Pumping time 0 to 200 lbs. 7½ Min.

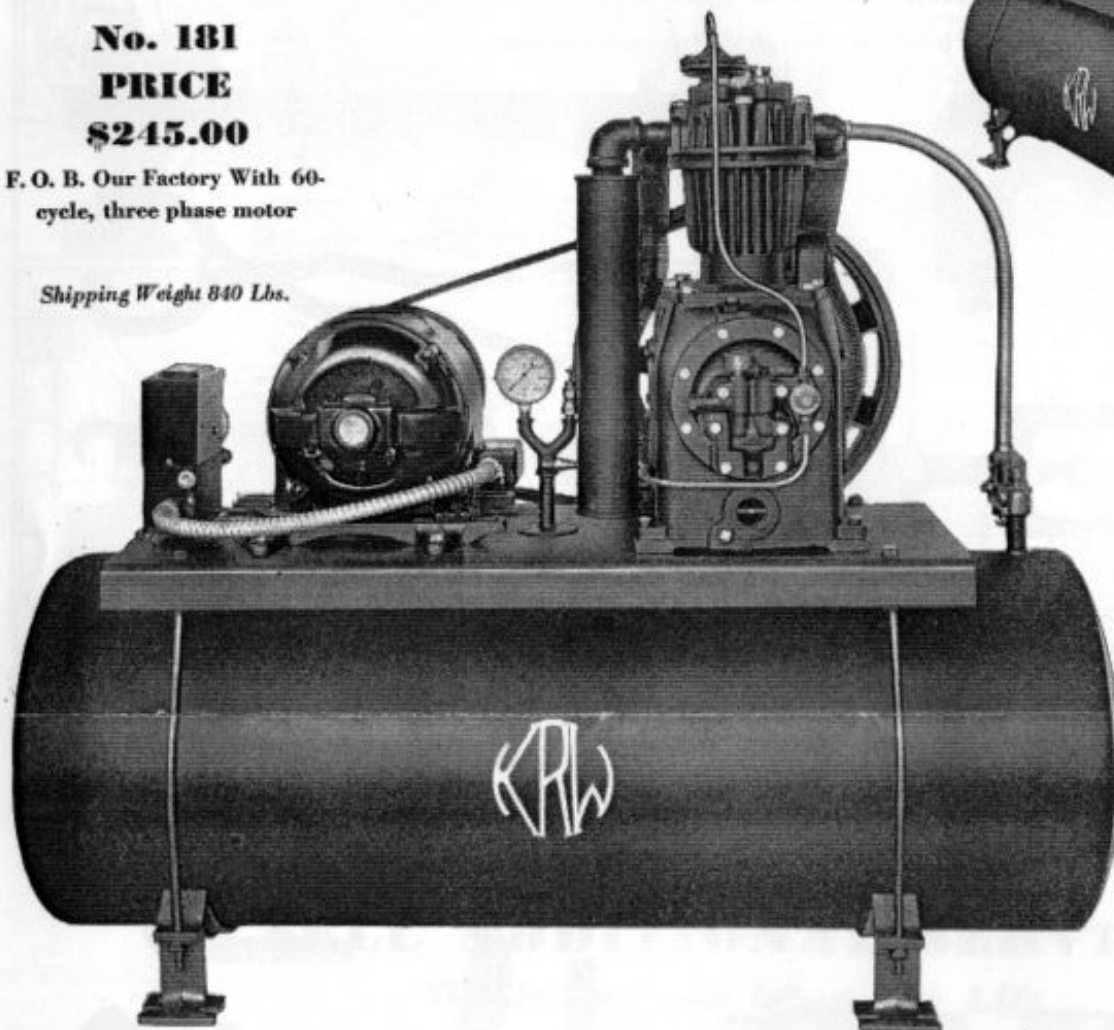
**No. 181**

**PRICE**

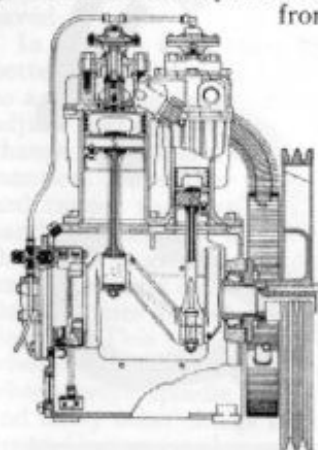
**\$245.00**

F. O. B. Our Factory With 60-cycle, three phase motor

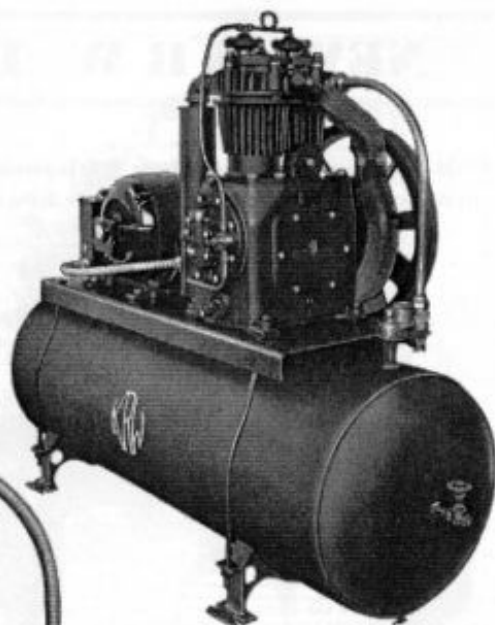
Shipping Weight 840 Lbs.



**T**HIS cross-section view shows several valuable features which insure satisfactory service and long life. Two-stage, Two Cylinder Compressor, with extra large copper finned intercooler (more than 2400 square inches) located in direct path of air blast

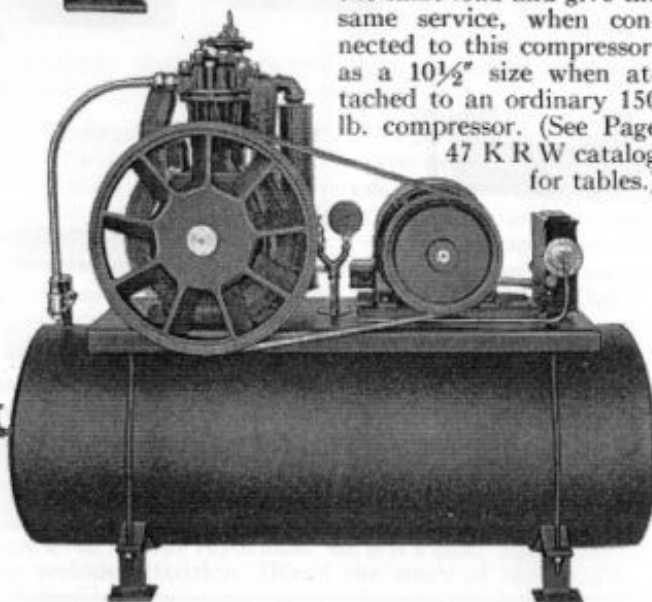


from fan. *Pressure Lubrication*, drilled crank shaft and connecting rods. 10 lbs. pressure on all bearings and pistons insuring perfect lubrication under the hardest service. *Drop forged, counter balanced crankshaft*, mounted on Timken Roller Bearings. *Positive Mechanical* (fly-ball governor type) *Unloader*, using tank pressure to operate diaphragms, which by opening valve seats relieves pressure on both cylinders. *Valves* are extra large, of new plate design. Entire valve assembly can be removed or replaced in two minutes. *Double "V" Belt Drive* means freedom from belt



trouble. *Combination automatic pressure switch*, with overload and under voltage relay protects the motor against burning out. Compare it with all others, regardless of price.

**W**E believe the K R W-Quincy Compressor is the finest product of its kind on the market. It has ample capacity to handle up to four Hydraulic Lifts, and such other air operated equipment as is ordinarily used. 80-gallon tank with 200 lbs. working pressure raises the heaviest cars quickly and easily. There is no waiting for the pressure to build up. An 8½" K R W-Rotary Lift which sells at \$180 will lift the same load and give the same service, when connected to this compressor, as a 10½" size when attached to an ordinary 150 lb. compressor. (See Page 47 K R W catalog for tables.)

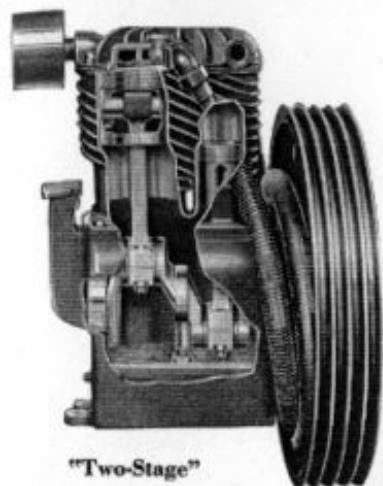




# KRW-KELLOGG *High Pressure* AIR COMPRESSOR

*"Especially Suited for Hydraulic Lift Service"*

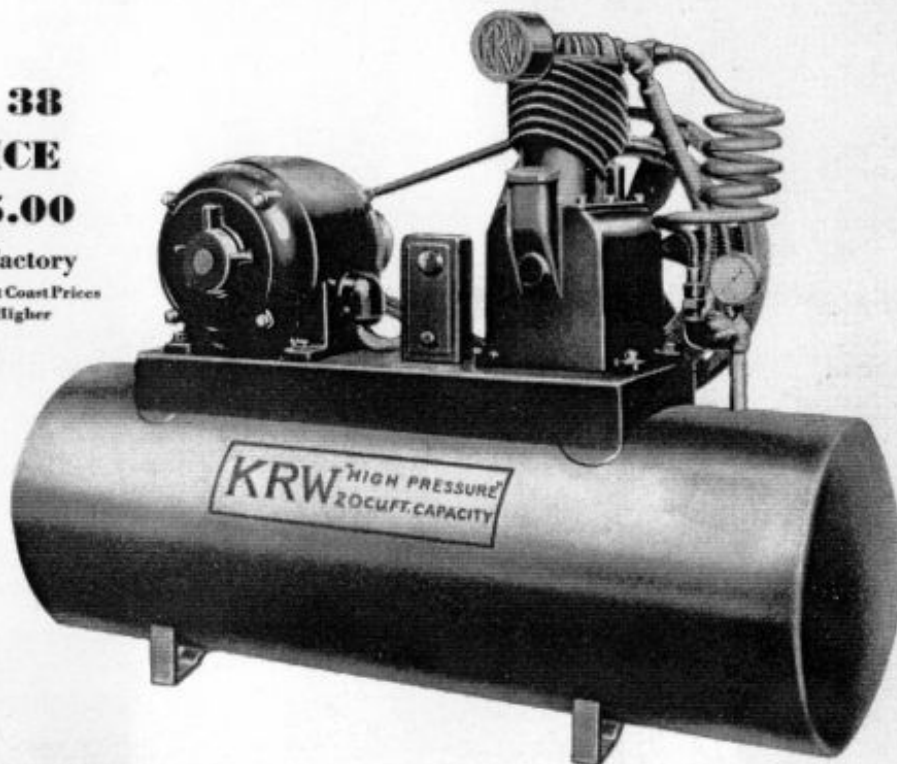
Two-stage Compressor — Capacity 20 cubic feet — 180 lbs. Working Pressure — 5 H.P.  
Three Phase Motor — 78 gal. Extra Heavy Brazen Tank — Full Automatic,  
including Overload and Under Voltage Controllers



"Two-Stage"

**No. 38**  
**PRICE**  
**\$265.00**

F.O.B. Factory  
Export and West Coast Prices  
Slightly Higher

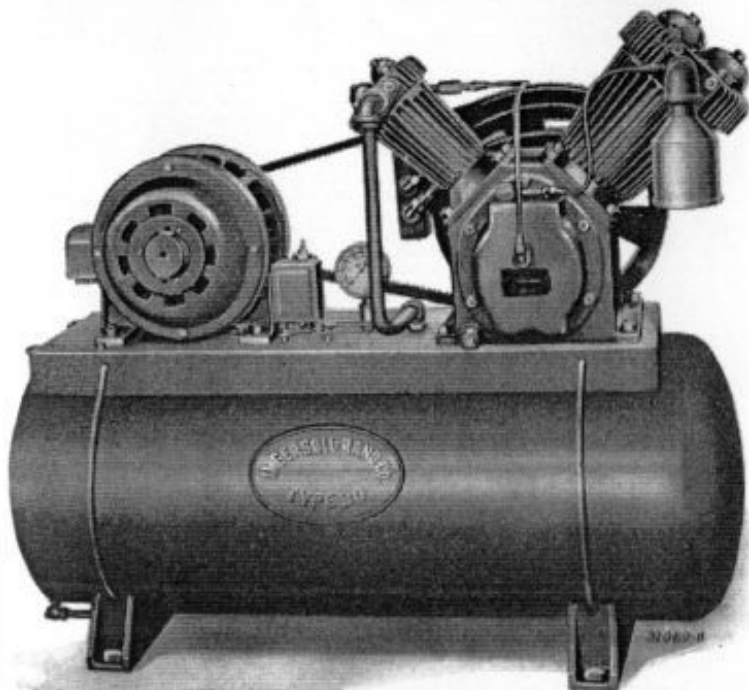


*Shipping Weight 890 pounds.*

LOOK at this big, powerful two-stage outfit with the latest improvements. Made especially for us by one of the oldest and best known compressor manufacturers in the country. Equipped with drop forged, counter balanced crankshaft, mounted on Timken roller bearings; large oversize copper finned intercooler; multiple "V" belt drive, etc., hitched up to a five H.P. heavy duty motor, it pumps 20 ft. of free air per minute; fills the 78 gallon tank from 0 to 180 lbs. pressure in  $7\frac{1}{2}$  minutes and from cut-in point, 145 to 180 lbs. in  $1\frac{1}{2}$  minutes. Full automatic equipment including overload and under voltage circuit breakers to protect motor against single phasing and burning out. This big slow-speed outfit will satisfy you.

## **Famous INGERSOLL-RAND AIR COMPRESSOR**

*"Considered the World's Finest"*

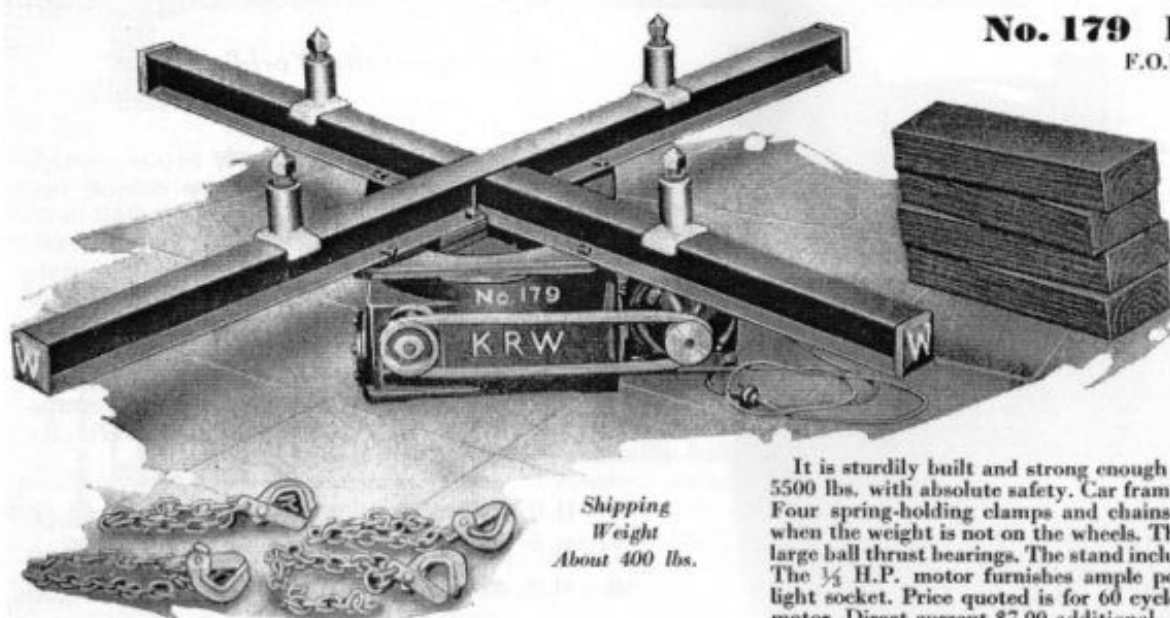
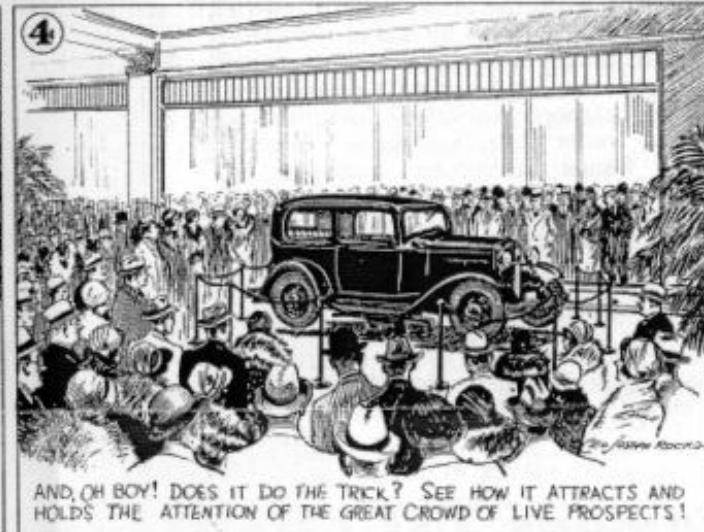
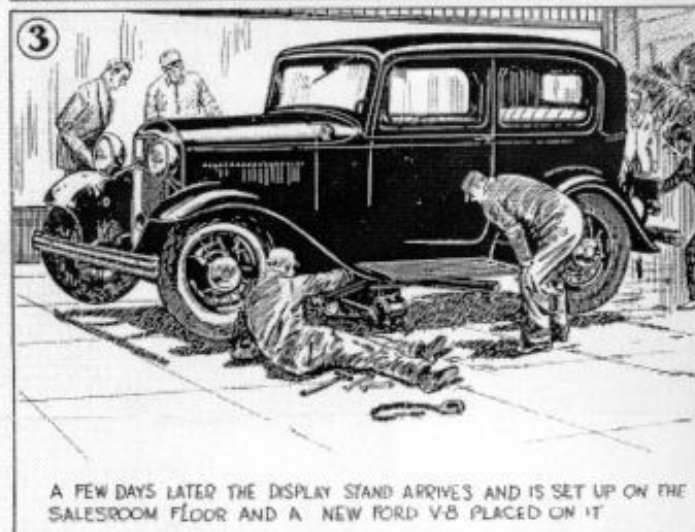


INGERSOLL-RAND TYPE 30, two-stage high pressure compressors have many unique features, as you will note from the picture. Ball bearing, "V" type compressors, with positive mechanical unloader, splash lubrication, accessible plate valves of extra large capacity. Ball bearing General Electric Motor, "V" cog belt drive, silent intake muffler, and many other features which for a half century have proved their excellence. Do not hesitate to purchase this compressor on its reputation. Direct Factory Branches in most every city assures you of satisfactory service.

5 H.P. 20 Cu. Ft.	KRW Price . . .	\$330.00
$7\frac{1}{2}$ H.P. 31 Cu. Ft.	KRW Price . . .	470.00
10 H.P. 41 Cu. Ft.	KRW Price . . .	510.00

F.O.B. Factory—Painted Post, N. Y.  
Equipped with 80 gallon tanks, 60 cycle, 3 phase motor. Write for prices on other sizes, etc.

# THE KRW REVOLVING DISPLAY STAND



**No. 179 Price \$115.00**

F.O.B. Factory

HERE'S the outfit you need to show off the New Fords to best advantage! Employing the attractive principle of **MOTION**, it shows the car from all angles, as it revolves around and around. The speed is just right—not too fast to miss the details; not slow enough to be tiresome. Put this silent salesman to work for you on your show room floor. The results will be most gratifying.

It is sturdily built and strong enough to support cars weighing up to 5500 lbs. with absolute safety. Car frame rests on four adjustable jacks. Four spring-holding clamps and chains support the axles and springs when the weight is not on the wheels. The entire weight is supported on large ball thrust bearings. The stand includes the Motor and V belt drive. The  $\frac{1}{2}$  H.P. motor furnishes ample power and it operates from any light socket. Price quoted is for 60 cycle, single phase, 110 or 220 volt motor. Direct current \$7.00 additional.

**K. R. WILSON 10-16 LOCK STREET BUFFALO, N. Y.**

Export Department, 126 Liberty Street, New York City

West Coast Branch, 722 Mateo Street, Los Angeles